

WHAT IS CLAIMED IS:

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1. / A solar battery device comprising:
    - a solar battery;
    - 5 a power converter, arranged to convert electric power outputted from the solar battery;
    - an input connector, arranged to input electric power from outside said device;
    - an output connector, arranged to collect the
    - 10 electric power inputted by said input connector and the electric power outputted by said power converter, and output the collected electric power to outside said device;
    - a detector, arranged to detect a current value of
    - 15 an electric current of said output connector; and
    - a controller, arranged to control output of said power converter when the current value detected by said detector exceeds a predetermined value.
  - 20 2. The device according to claim 1, wherein said controller halts output of said power converter in a case where a current value detected by said detector exceeds a predetermined value.
  - 25 3. The device according to claim 1, wherein said controller reduces output power of said power converter

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in a case where a current value detected by said  
detector exceeds a predetermined value.

4. The device according to claim 1, wherein said  
5 input and output connectors are a plug and a receptacle  
which are connectable to each other, wherein the plug is  
used for said input connector and the receptacle is used  
for said output connector.

10 5. The device according to claim 1, further  
comprising an indicator, arranged to indicate a control  
state of an output of said power converter.

15 6. The device according to claim 1, wherein said  
power converter is an inverter for converting DC power,  
outputted by said solar battery, to AC power.

7. The device according to claim 1, wherein said  
power converter is a DC-DC converter for converting DC  
20 power, outputted by said solar battery, to DC power.

8. A generator for generating electric power  
comprising the solar battery devices, each of which is  
accorded to claim 1, wherein the solar battery devices  
25 are connected in a cascade.

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9. A generator for generating electric power,  
comprising a plurality of the solar battery devices  
according to claim 1, wherein said solar battery devices  
are cascaded for each phase of a power path adopting a  
5 single-phase three-wire system.

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